

BAM-1020 Audit Sheet

Model: **BAM-1020**

Serial Number: **T21292**

Audit Date: **7/1/16**

Audited By: **M. Potter**

Flow Audits			
Flow Reference Standard Used:	Model: Delta 6102	Serial No: 146 294	Calibration Date: 1/16/16
Temperature Standard Used:	Model: ↓	Serial No: ↓	Calibration Date: ↓
Barometric Pressure Standard Used:	Model: ↓	Serial No: ↓	Calibration Date: ↓

Leak Check Value: as found: **0.5 lpm** as left: **0.3 lpm**

	BAM	Ref. Std.		BAM	Ref. Std.	
Ambient Temperature:	as found: 33.5 C	29.7 C	as left:	33.5 C	29.7 C	N/A <input type="checkbox"/>
Barometric Pressure:	as found: 748 mmHg	747 mmHg	as left:	748 mmHg	747 mmHg	N/A <input type="checkbox"/>
Flow Rate (Actual Volumetric):	as found: 16.7 lpm	16.63 lpm	as left:	16.7 lpm	16.63 lpm	N/A <input type="checkbox"/>
Flow Rate (EPA Standard):	as found: slpm	slpm	as left:	slpm	slpm	N/A <input checked="" type="checkbox"/>

Mechanical Audits											
Pump muffler unclogged:	as found	<input type="checkbox"/>	as left	<input checked="" type="checkbox"/>	PM10 particle trap clean:	as found	<input type="checkbox"/>	as left	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
Sample nozzle clean:	as found	<input type="checkbox"/>	as left	<input checked="" type="checkbox"/>	PM10 drip jar empty:	as found	<input type="checkbox"/>	as left	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
Tape support vane clean:	as found	<input type="checkbox"/>	as left	<input checked="" type="checkbox"/>	PM10 bug screen clear:	as found	<input type="checkbox"/>	as left	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
Capstan shaft clean:	as found	<input type="checkbox"/>	as left	<input checked="" type="checkbox"/>	PM2.5 particle trap clean:	as found	<input type="checkbox"/>	as left	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Rubber pinch rollers clean:	as found	<input type="checkbox"/>	as left	<input checked="" type="checkbox"/>	Inlet tube water-tight seal OK:	as found	<input checked="" type="checkbox"/>	as left	<input checked="" type="checkbox"/>		
Chassis ground wire installed:	as found	<input checked="" type="checkbox"/>	as left	<input checked="" type="checkbox"/>	Inlet tube perpendicular to BAM:	as found	<input checked="" type="checkbox"/>	as left	<input checked="" type="checkbox"/>		

Analog Voltage Output Audit			N/A <input type="checkbox"/>
DAC Test Screen	BAM Voltage Output	Logger Voltage Input	
0.000 Volts	Volts	Volts	
0.500 Volts	Volts	Volts	
1.000 Volts	Volts	Volts	

Membrane Audit	
LAST m (mg):	
ABS (mg):	
Difference (mg):	
% Difference:	

Flow Control Range	
Flow Setpoint	BAM Flow
15.0 LPM	
16.7 LPM	
18.4 LPM	

Setup and Calibration Values								
Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock Time/Date			FLOW TYPE			AP		
RS232 baud			Cv			FRI		
STATION #			Qo			FRh		
RANGE			ABS			Password		
BAM SAMPLE			μ sw			Cycle Mode		
MET SAMPLE			K Factor			RH Control		
OFFSET			BKGD			RH Setpoint		
CONC UNITS			STD TEMP			Datalog RH		
COUNT TIME			HEATER			Delta-T Control		
FLOW RATE			el			Delta-T Setpoint		
CONC TYPE			Errors			Datalog Delta-T		

Last 6 Errors in BAM-1020 Error Log					
Error	Date	Time	Error	Date	Time
1 Maintenance	7/1	11:47	4 Maintenance	6/13	9:50
2 Index Fail	6/25	02:02	5 Maintenance	6/13	9:35
3 Pressure Delta Pressure	6/15	10:52	6 Maintenance	6/3	12:59

Audit Notes: **Changed Tape - Tape Self Test - PASSED**
Synched Weather clock to the BAM
Data Downloaded